Garrett Beatty
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gbeatty.com
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Education

- **The College of New Jersey** — Ewing, NJ
  Bachelor of Science in Computer Science — *Aug. 2015 - May 2019*

Work Experience

- **Lockheed Martin** — Mount Laurel, NJ
  Software Engineering Intern — *Jun. 2018 - Aug. 2018*
- **The College of New Jersey** — Ewing, NJ
  Student Researcher - Machine Learning — *Jan. 2017 - Dec. 2017*
  - Designed a machine learning infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
  - Improved the speed of the infrastructure by 95% by adding support for parallel processing on the High Performance Cluster (HPC).
- **Comcast** — Philadelphia, PA
  Software Engineering Intern — *Jun. 2016 - Aug. 2016*
  - Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.
  - Collaborated with another intern to create a web application in C#, HTML, and Javascript that connects to an SQL database to retrieve customer session information.

Projects

- **Android Application - "arXiv eXplorer"**
  arxiv.gbeatty.com
  - Published an Android application with over 200 downloads that allows users to browse, search, and download scientific papers from arxiv.org.
  - Java, Butterknife, OkHttp, Sugar ORM, arXiv API, Travis CI, Fastlane
- **Google Photos Location Visualizer**
  googlephotosmapplotter.gbeatty.com
  - Created a web application that allows users to visualize their photos on Google Maps based on their geo-location metadata.
  - Python, Flask, Google Maps API, Google Picasa API

Skills

- **Proficient:** Python, Java
- **Past Experience:** C, C++, C#, SQL, Ruby, PHP, Javascript, Node.js, Perl, MATLAB
- **Tools:** Git, Jenkins, Travis CI, Linux/UNIX, SLURM, Fastlane

Publications

"Impact of Batch Size on Stopping Active Learning for Text Classification", *Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.*